H.264 DVR
MADE IN TAIWAN

AVTECH
Professional Series

Premium iPhone DVR
with AVTECH Exclusive Features & Technologies

AVC796B / AVC798B

8CH / 16CH H.264 Real-Time Network DVR
USB Mouse Control with GUI Display

H.264 Mobile Surveillance with EagleEyes
Remote Surveillance with Central Management System (CMS) & Browsers
Independent Recording Configuration for Each Video Channel
Dual Video Output for Both VGA & Composite
Pre-Alarm Recording
2 Audio-Out, 4 Audio-In Video / Audio Recording
Remote Independent Operation
Multiplex Operation
Network, USB Flash Drive & DVD-ROM Backup

Mouse Control	Simultaneously Playback	H.264	Long Recording Time	Real-time Playback	Cell Phone Control	Graphic OSD	iPhone Control	Google E-map	Network

Multi-Language	Independent Operation	Multiplex	PTZ Control	Motion Detection	SATA HDD	VGA output	IR Remote Control	USB Flash Drive	DVD Writer

Specification

MODEL	AVC796B / AVC798B
DVR	
Hard Disk Storage	Accommodates 2 SATA HDDs (1 HDD Capacity Up To 2TB)
Quick Search	Time / Motion / Alarm Search Mode
SATA Interface	Built-In
Recording Mode	Manual / Timer / Motion / Alarm / Remote
Multiplex Operation	Live Display / Record / Playback / Backup / Network Operations
USB Mouse Control	YES
Motion Detection Area	16 × 12 Grids Per Channel
Motion Detection Sensitivity	3 Adjustable Parameters for Accurate Detection
Pre-alarm Recording	YES
Backup Device	DVD Writer (Optional) / USB 2.0 Flash Drive / Network
IR Remote Control	YES (IR Receiver Built-In)
Picture Zoom	2X Digital Zoom
PTZ Control	YES
Alarm I/O	16 Inputs 1 Output (AVC798B / AVC798BD)
	8 Inputs 1 Output (AVC796B / AVC796BD)
Key Lock (Password Protection)	YES
User Level	Administrator & Operator
Video Loss Detection	YES
Camera Title	Supports Up To 12 Letters
Date Display Format	YY/MM/DD, DD/MM/YY & MM/DD/YY
System Recovery	System Auto Recovery After Power Failure
Optional Peripherals	Keyboard Controller

MODEL	AVC796B / AVC798B
Network	
Web Transmitting Compression Format	H.264
Ethernet	10/100 Base-T. Supports Remote Control & Live View Via Ethernet
Mobile Surveillance	YES (Including iPhone, BlackBerry, Windows Mobile, Symbian & Android)
Remote Surveillance	Our Self-Developed & Free Software, "Video Viewer"
(OS: Windows 7 / Vista / XP) CMS	Internet Explorer, Mozilla Firefox, Google Chrome & Mac Safari
Web Browser	QuickTime
Media Player	10
Network Protocol — Max. On-Line User	TCP/IP, PPPoE, DHCP & DDNS
Remote Independent Operation	YES
Remote Event Download & Playback	YES
Event Notification	By FTP & E-Mail
R.E.T.R. (Remote Event Trigger Recording)	YES

MODEL	AVC796B / AVC798B
General	
Daylight Saving	YES
Power Source	DC 19V (± 10%)
Power Consumption	< 64 W (± 10%)
Operating Temperature	10℃ - 40℃ (50℃ - 104℃)
Dimensions (mm)**	432(W) × 90(H) × 326(D)

MODEL	AVC796B / AVC798B
Audio	
Audio Input / Output	4 Audio Inputs 2 Audio Outputs (Mono)

MODEL		AVC796B / AVC798B	
Video			
Video System		NTSC / PAL (Auto Detection)	
Video Compression Format		H.264	
Video Input		16 Channels (Composite video signal 1 Vp-p 75Ω BNC) (AVC798B / AVC798BD)	
		8 Channels (Composite video signal 1 Vp-p 75Ω BNC) (AVC796B / AVC796BD)	
Video Loop Output		16 Channels (Composite video signal 1 Vp-p 75Ω BNC) (AVC798B / AVC798BD)	
		8 Channels (Composite video signal 1 Vp-p 75Ω BNC) (AVC796B / AVC796BD)	
Video Output (BNC)	Main Monitor	For Stable Display	
	Call Monitor	For Sequence Display	
Video Output (VGA)		Built-In (Output Resolution Up To 1600 x 1200)	
Maximum Recording Rate	Frame	704×480 Pixels with 120 IPS <NTSC> / 704×576 Pixels with 100 IPS <PAL> (AVC798B / AVC798BD)	
		704×480 Pixels with 60 IPS <NTSC> / 704×576 Pixels with 50 IPS <PAL> (AVC796B / AVC796BD)	
	Field	704×240 Pixels with 240 IPS <NTSC> / 704×288 Pixels with 200 IPS <PAL> (AVC798B / AVC798BD)	
		704×240 Pixels with 120 IPS <NTSC> / 704×288 Pixels with 100 IPS <PAL> (AVC796B / AVC796BD)	
	CIF	352×240 Pixels with 480 IPS <NTSC> / 352×288 Pixels with 400 IPS <PAL> (AVC798B / AVC798BD)	
		352×240 Pixels with 240 IPS <NTSC> / 352×288 Pixels with 200 IPS <PAL> (AVC796B / AVC796BD)	
Image Quality Setting		SUPER BEST / BEST / HIGH / NORMAL	
Video Adjustable		Hue / Saturation / Contrast / Brightness	

Optional accessories

PTZ Controller

PTZ Color Camera

DVD - RW

AVTECH
Made in Taiwan

Features

Easy USB Mouse Control with GUI On-Screen Display (OSD)

▸ On the basis of easy and userfriendly experiences, the GUI OSD interface is provided and used with your USB mouse.
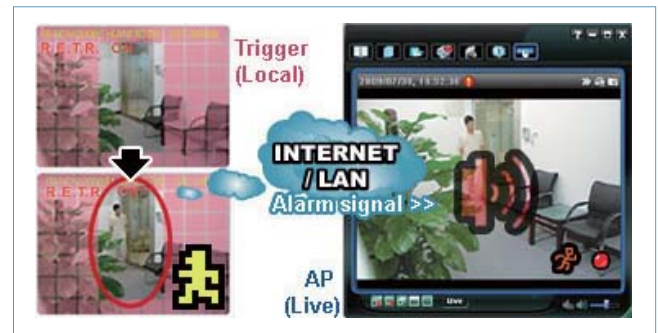

AVTECH H.264 DVR
friendly Interface by mouse control

**OTHER H.264 DVR**
Not so user-friendly caused by hardware limit

R.E.T.R (Remote Event Trigger Recording)

▸ When there's a motion or alarm event and Remote Event Trigger Recording is enabled, the event recording data will also be saved to the specified path on your PC at the same time.

Fully Remote Independent Operation

▸ Channel switching & video playback are fully independent from the local site, allowing supervisors to have private image monitoring remotely.
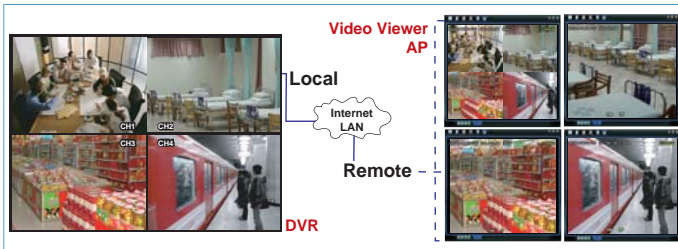
Independent Event-Triggered Recording

▸ With AVTECH's accurate event-triggered recording for single channel, users will not miss any important event and can have the maximized recording time. As for the other brand's DVR, its event-triggered recording accuracy is not satisfactory or even not supported, consuming a significant amount of hard disk space for event recording.

SMART TRIGGER RECORDING
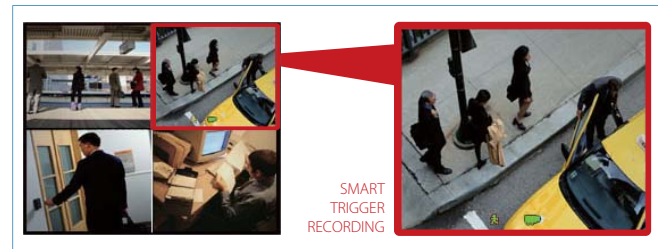
Powerful Mobile Surveillance Support

▸ Mobile surveillance via our self-developed and free program, "Eagle-Eye", is supported on many popular mobile platforms, such as iPhone, BlackBerry, WinCE, J2ME and Android.
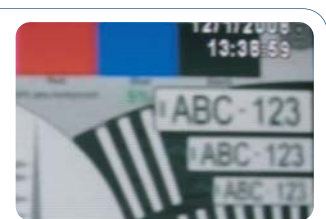

| iPhone | BlackBerry | Symbian | Win Mobile | Android |
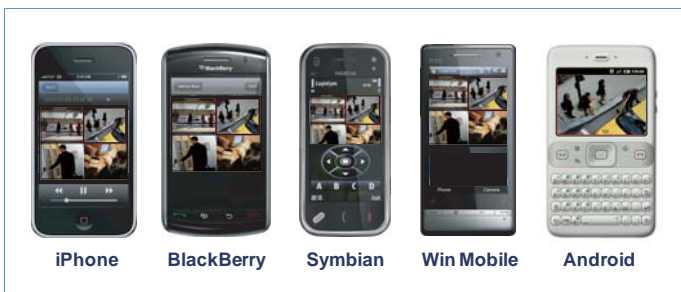
H.264 Video Compression Technology

▸ **The Best Video Playback Quality**
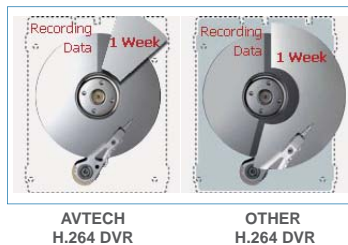The recording picture quality is very similar to live image.

AVTECH H.264 DVR   OTHER H.264 DVR

Long Recording Time

Compared with other brand's H.264 DVR, based on the same image quality level, the recording file size is 50% smaller, and the recording time is doubled.
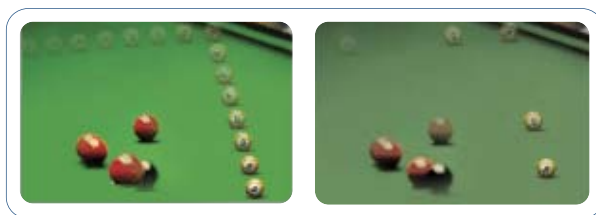
AVTECH H.264 DVR **OTHER H.264 DVR**

Fluent Real-time Video Playback
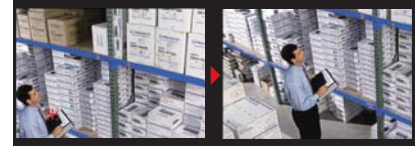
The video playback is fluent without anypicture loss.

AVTECH H.264 DVR **OTHER H.264 DVR**

Free CMS Software

- Our self-developed powerful Central Management System software, CMS, is provided without any charge for simult-aneous control & management of 16 network devices.

G-Mail Server Notification Support

- Email notification settings support SSL encryption required by popular Email service providers, such as Google, to transmit data and information back and forth securely between two applications.

Mouse-Click Hot Point

- **Center the target**
  Lock the target you want by a mouse-click.
  The surveillance area is repositioned with the point you clicked in the center.
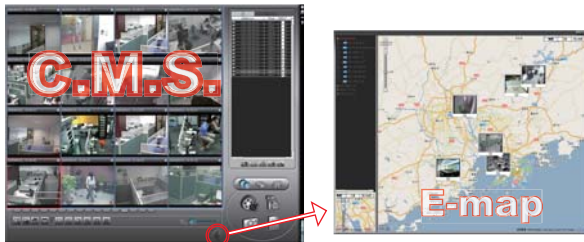
- **Zoom in on the target**
  Lock the target area by dragging a frame with your mouse.
  The selected surveillance area will be zoomed in on the screen.

Remote Surveillance with Central Management System (CMS) & Browsers

- For web browsers, compatible with Internet Explorer, Mozilla Firefox, Google Chrome & Mac Safari.
- For CMS software, available with our self-developed and free software, "Video Viewer".
- Also applicable to Apple's media player, QuickTime.

Independent Recording Configuration for Each Video Channel

- Definable "Resolution" / "Quality" / "IPS" by channels at your preferences to increase the recording efficiency, and avoid any important scenes to be missed.

Video Output

- Dual video output for both VGA & composite simultaneously.
- Support VGA resolution output up to 1600 x 1200.

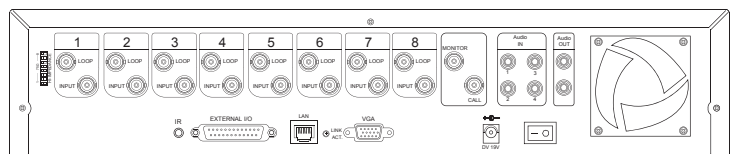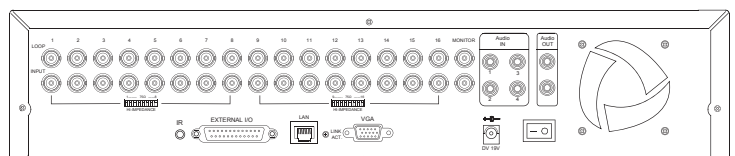## Audio / Video Recording Support

- 2 Audio-Out, 4 Audio-In for Video / Audio Recording

Rear Panel

AVC796B/AVC796BD 8CH H.264 DVR USB Mouse Control with GUI Display

AVC798B/AVC798BD 16CH H.264 DVR USB Mouse Control with GUI Display